

NAVISTAR, INC

HEAVY DUTY ENGINE EMISSIONS REMEDIAL RECALL PLAN

TO: Mr. Justin Greuel  
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United States Environmental Protection Agency  
USEPA  
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FROM: Thomas M Kramer  
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Lisle, IL 60532

REFERENCE NO. VER 14503

DATE : June 20, 2014

cc: Fahkri Hamady  
Ron Schaefer

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The following Remedial (Recall) Plan and associated information is submitted in accordance with 40 C.F.R. §1068.510, and §1068.515.

[40 C.F.R. § 1068.501(2)(d)(1)]. MANUFACTURER INFORMATION

Navistar, Inc.  
2601 Navistar Dr.  
Lisle, IL 60532

[40 CFR §1068.510(a)(1)]. DESCRIPTION OF CLASS/CATEGORY OF VEHICLE/ENGINE POTENTIALLY AFFECTED

This defect affects medium service class trucks equipped with medium-heavy class certified diesel engines

ENGINE MY	VEHICLE MY	DESCRIPTION- engine	QUANTITY
2013 - 2014	2013 - 2014	MaxxForce DT, 9, & 10	7076
Engine Family Name	DNVXH04660GB, DNVXH5700GA, and ENVXH05700GA		

[40 CFR §1068.510(a)(2)(3)]. DESCRIPTION AND SCOPE OF WORK OR OTHER CHANGES TO BE MADE TO BRING THE VEHICLES OR ENGINES INTO CONFORMITY INCLUDING A BRIEF SUMMARY OF DATA AND TECHNICAL STUDIES AS TO THE PARTICULAR REMEDIAL CHANGES TO BE USED IN CORRECTING THE NONCONFORMITY.

*This plan is being submitted for the Medium-Heavy Duty engine families. For the Medium Heavy engine family DNVXH05700GA, ENVXH05700GA the problems being addressed have to do with abnormally high DPF soot regeneration frequency and HDOBD. Field action for family DNVXH04660GB is only for revisions to Heavy Duty On Board Diagnostics.*

*The field fix is in the form of an electronic engine controller recalibration. Emissions compliance using the remedial calibration for family DNVXH05700GA and ENVXH05700GA was verified by test of FTP, RMC, and IRAF. Data for that purpose was submitted to EPA on May 16, 2014.*

[40 CFR §1068.510(a)(4)]. THE SERVICE PROCEDURE AND DEALER INSTRUCTIONS TO REMEDY THE REPORTED DEFECT.

*See attached Service Procedure (AFC 14503), and Dealer Notification letter (AFC) 14503, and Customer Notification letters (AFC 14503).*

[40 CFR §1068.510(a)(5)(6)(8)(9)(10 and 1068.520)(a)]. A DESCRIPTION OF METHOD TO DETERMINE THE CUSTOMER NAMES AND ADDRESSES.

*Navistar will use the identical protocol that it employs to determine the addresses of vehicle / engine owners for vehicles or engines under NHTSA Safety Recalls. Engine serial numbers are matched to VINs, which are then searched for current owner names and addresses who are then notified by first class mail. For vehicles older than three years, state department of motor vehicle (DMV) data (R.L. Polk) is used.*

*Only Navistar dealers or authorized warranty agents will implement the remedy. All Navistar dealers have technicians trained to perform the necessary tasks.*

*Navistar will notify owners by first class mail.*

[40 CFR §1068.510(a)(7)(e)]. A DESCRIPTION OF PROPER MAINTENANCE OR USE, IF ANY, AS A CONDITION TO BE ELIGIBLE FOR REPAIR UNDER THE REMEDIAL PLAN, AND A PROOF THE VEHICLE or ENGINE OWNER TO DEMONSTRATE COMPLIANCE WITH ANY SUCH CONDITION.

*There are no additional maintenance obligations that will become necessary as a result of the remedial action.*

[40 CFR §1068.510(a)(11)]. A DESCRIPTION TO ENSURE AN ADEQUATE AND TIMELY SUPPLY OF PARTS.

*No parts are necessary and all Navistar dealers are in possession of the tools necessary to perform this work.*

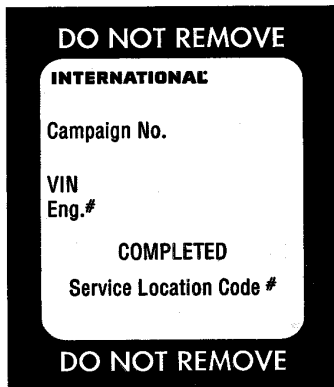
[40 CFR §1068.510(a)(12)]. A DESCRIPTION OF THE IMPACT OF THE PROPOSED CHANGES ON FUEL CONSUMPTION, DRIVEABILITY, AND SAFETY OF THE VEHICLES or ENGINES TO BE RECALLED AND A BRIEF SUMMARY OF THE DATA, TECHNICAL STUDIES, OR ENGINEERING EVALUATIONS WHICH SUPPORT THESE CONDITIONS..

*Navistar will conduct a field campaign to correct the ECM calibration that controls aftertreatment regeneration. The affected emission controls and remedy are described below:*

- *Regeneration level 1 and level 2 calibration updates to improve regeneration performance:*
  - *Modify intake throttle valve position*
  - *Reduce EGR valve position*
  - *Modify injection timing*
  - *Add boost-based timing during acceleration in regeneration mode to prevent engine stumble.*
- *The new calibration effect on exhaust aftertreatment Upward Adjustment Factor (UAf) was verified as maintaining the certified levels of all criteria pollutants. EPA was notified of a field fix on May 16, 2014, that contained all related engine test data. ARB is in receipt of the same test data.*

[40 CFR §1068.510(a)(13)] & [40 CFR 1068.515(a)(c)]. A SAMPLE OF LABEL TO BE APPLIED TO VEHICLES or ENGINES WHICH PARTICIPATE IN THE VOLUNTARY REMEDIAL CAMPAIGN.

*Example of label for vehicles that receive the repair. The label will be placed in the chassis "B" pillar.*



Please contact me if you have any questions.

Respectfully,

Thomas M. Kramer